

Rec'd PCT/PTO 24 FEB 2006

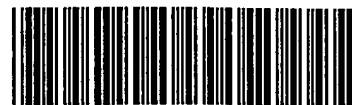
10/538231

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/538,231
Source: PG
Date Processed by STIC: 2/24/06

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PCT

RAW SEQUENCE LISTING

DATE: 02/24/2006

PATENT APPLICATION: US/10/538,231

TIME: 12:54:07

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Output Set: N:\CRF4\02242006\J538231.raw

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3 <110> APPLICANT: Ofer MANDELBOIM
4   Angel PORGADOR
6 <120> TITLE OF INVENTION: NK CELL RECEPTOR CONJUGATES FOR TREATING MALIGNANCIES
8 <130> FILE REFERENCE: 2488.019
10 <140> CURRENT APPLICATION NUMBER: US 10/538,231
11 <141> CURRENT FILING DATE: 2005-06-09
13 <150> PRIOR APPLICATION NUMBER: PCT/IL2003/001040
14 <151> PRIOR FILING DATE: 2003-12-09
16 <150> PRIOR APPLICATION NUMBER: US 60/431,728
17 <151> PRIOR FILING DATE: 2002-12-09
19 <160> NUMBER OF SEQ ID NOS: 14
21 <170> SOFTWARE: PatentIn version 3.1
23 <210> SEQ ID NO: 1
24 <211> LENGTH: 488
25 <212> TYPE: PRT
26 <213> ORGANISM: Homo sapiens
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34 Gln Arg Ile Ser Ala Gln Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp
35      20      25      30
38 Ala Glu Pro His Phe Met Val Pro Lys Glu Lys Gln Val Thr Ile Cys
39      35      40      45
42 Cys Gln Gly Asn Tyr Gly Ala Val Glu Tyr Gln Leu His Phe Glu Gly
43      50      55      60
46 Ser Leu Phe Ala Val Asp Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys
47 65      70      75      80
50 Val Lys Phe Tyr Ile Pro Asp Met Asn Ser Arg Met Ala Gly Gln Tyr
51      85      90      95
54 Ser Cys Ile Tyr Arg Val Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu
55      100     105     110
58 Leu Asp Leu Val Val Thr Glu Met Tyr Asp Thr Pro Thr Leu Ser Val
59      115     120     125
62 His Pro Gly Pro Glu Val Ile Ser Gly Glu Lys Val Thr Phe Tyr Cys
63      130     135     140
66 Arg Leu Asp Thr Ala Thr Ser Met Phe Leu Leu Lys Glu Gly Arg
67 145     150     155     160
70 Ser Ser His Val Gln Arg Gly Tyr Gly Lys Val Gln Ala Glu Phe Pro
71      165     170     175
74 Leu Gly Pro Val Thr Thr Ala His Arg Gly Thr Tyr Arg Cys Phe Gly
75      180     185     190
78 Ser Tyr Asn Asn His Ala Trp Ser Phe Pro Ser Glu Pro Val Lys Leu
79      195     200     205

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82 Leu Val Thr Gly Asp Ile Glu Asn Thr Ser Leu Ala Pro Glu Asp Pro
83      210                      215                      220
86 Thr Phe Pro Ala Asp Thr Trp Gly Thr Tyr Leu Leu Thr Thr Glu Thr
87 225                      230                      235                      240
90 Gly Leu Gln Lys Asp His Ala Leu Trp Asp His Thr Ala Gln Asp Pro
91      245                      250                      255
94 Glu Pro Lys Ser Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
95      260                      265                      270
98 Pro Glu Phe Glu Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
99      275                      280                      285
102 Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
103      290                      295                      300
106 Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
107 305                      310                      315                      320
110 Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
111      325                      330                      335
114 Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
115      340                      345                      350
118 Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
119      355                      360                      365
122 Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
123      370                      375                      380
126 Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
127 385                      390                      395                      400
130 Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
131      405                      410                      415
134 Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
135      420                      425                      430
138 Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
139      435                      440                      445
142 Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
143      450                      455                      460
146 Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
147 465                      470                      475                      480
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151      485
154 <210> SEQ ID NO: 2
155 <211> LENGTH: 364
156 <212> TYPE: PRT
157 <213> ORGANISM: Homo sapiens
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165 Leu Gly Met Leu Val Ala Ser Cys Leu Gly Arg Leu Arg Val Pro Gln
166      20                      25                      30
169 Gln Gln Thr Leu Pro Lys Pro Phe Ile Trp Ala Glu Pro His Phe Met
170      35                      40                      45
173 Val Pro Lys Glu Lys Gln Val Thr Ile Cys Cys Gln Gly Asn Tyr Gly
174      50                      55                      60

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177 Ala Val Glu Tyr Gln Leu His Phe Glu Gly Ser Leu Phe Ala Val Asp
178 65 70 75 80
181 Arg Pro Lys Pro Pro Glu Arg Ile Asn Lys Val Lys Phe Tyr Ile Pro
182 85 90 95
185 Asp Met Asn Ser Arg Met Ala Gly Gln Tyr Ser Cys Ile Tyr Arg Val
186 100 105 110
189 Gly Glu Leu Trp Ser Glu Pro Ser Asn Leu Leu Asp Leu Val Val Thr
190 115 120 125
193 Glu Met Asp Pro Glu Pro Lys Ser Ser Asp Lys Thr His Thr Cys Pro
194 130 135 140
197 Pro Cys Pro Ala Pro Glu Phe Glu Gly Ala Pro Ser Val Phe Leu Phe
198 145 150 155 160
201 Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val
202 165 170 175
205 Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe
206 180 185 190
209 Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro
210 195 200 205
213 Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr
214 210 215 220
217 Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val
218 225 230 235 240
221 Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala
222 245 250 255
225 Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg
226 260 265 270
229 Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly
230 275 280 285
233 Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro
234 290 295 300
237 Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser
238 305 310 315 320
241 Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln
242 325 330 335
245 Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His
246 340 345 350
249 Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
250 355 360
253 <210> SEQ ID NO: 3
254 <211> LENGTH: 393
255 <212> TYPE: PRT
256 <213> ORGANISM: Homo sapiens
258 <400> SEQUENCE: 3
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261 1 5 10 15
264 Leu Gly Met Leu Val Ala Ser Cys Leu Gly Arg Leu Arg Val Pro Tyr
265 20 25 30
268 Asp Thr Pro Thr Leu Ser Val His Pro Gly Pro Glu Val Ile Ser Gly
269 35 40 45

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272 Glu Lys Val Thr Phe Tyr Cys Arg Leu Asp Thr Ala Thr Ser Met Phe
273      50                      55                      60
276 Leu Leu Leu Lys Glu Gly Arg Ser Ser His Val Gln Arg Gly Tyr Gly
277 65                      70                      75                      80
280 Lys Val Gln Ala Glu Phe Pro Leu Gly Pro Val Thr Thr Ala His Arg
281      85                      90                      95
284 Gly Thr Tyr Arg Cys Phe Gly Ser Tyr Asn Asn His Ala Trp Ser Phe
285      100                      105                      110
288 Pro Ser Glu Pro Val Lys Leu Leu Val Thr Gly Asp Ile Glu Asn Thr
289      115                      120                      125
292 Ser Leu Ala Pro Glu Asp Pro Thr Phe Pro Asp Thr Trp Gly Thr Tyr
293      130                      135                      140
296 Leu Leu Thr Thr Glu Thr Gly Leu Gln Lys Asp His Ala Leu Trp Asp
297 145                      150                      155                      160
300 Pro Glu Pro Lys Ser Ser Asp Lys Thr His Thr Cys Pro Pro Cys Pro
301      165                      170                      175
304 Ala Pro Glu Phe Glu Gly Ala Pro Ser Val Phe Leu Phe Pro Pro Lys
305      180                      185                      190
308 Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val
309      195                      200                      205
312 Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr
313      210                      215                      220
316 Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu
317 225                      230                      235                      240
320 Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His
321      245                      250                      255
324 Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys
325      260                      265                      270
328 Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln
329      275                      280                      285
332 Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu
333      290                      295                      300
336 Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro
337 305                      310                      315                      320
340 Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn
341      325                      330                      335
344 Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu
345      340                      345                      350
348 Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val
349      355                      360                      365
352 Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln
353      370                      375                      380
356 Lys Ser Leu Ser Leu Ser Pro Gly Lys
357 385                      390
360 <210> SEQ ID NO: 4
361 <211> LENGTH: 382
362 <212> TYPE: PRT
363 <213> ORGANISM: Homo sapiens
365 <400> SEQUENCE: 4

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Input Set : A:\2488019-sequence listing.txt

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367 Met Gly Met Pro Met Gly Ser Leu Gln Pro Leu Ala Thr Leu Tyr Leu
368 1 5 10 15
371 Leu Gly Met Leu Val Ala Ser Cys Leu Gly Arg Leu Arg Val Pro Leu
372 20 25 30
375 Trp Val Ser Gln Pro Leu Glu Ile Arg Thr Leu Glu Gly Ser Ser Ala
376 35 40 45
379 Phe Leu Pro Cys Ser Phe Asn Ala Ser Gln Gly Arg Leu Ala Ile Gly
380 50 55 60
383 Ser Val Thr Trp Phe Arg Asp Glu Val Val Pro Gly Lys Glu Val Arg
384 65 70 75 80
387 Asn Gly Thr Pro Glu Phe Arg Gly Arg Leu Ala Pro Leu Ala Ser Ser
388 85 90 95
391 Arg Phe Leu His Asp His Gln Ala Glu Leu His Ile Arg Asp Val Arg
392 100 105 110
395 Gly His Asp Ala Ser Ile Tyr Val Cys Arg Val Glu Val Leu Gly Leu
396 115 120 125
399 Gly Val Gly Thr Gly Asn Gly Thr Arg Leu Val Val Glu Lys Glu His
400 130 135 140
403 Pro Gln Leu Gly Asp Pro Glu Pro Lys Ser Ser Asp Lys Thr His Thr
404 145 150 155 160
407 Cys Pro Pro Cys Pro Ala Pro Glu Phe Glu Gly Ala Pro Ser Val Phe
408 165 170 175
411 Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
412 180 185 190
415 Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
416 195 200 205
419 Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
420 210 215 220
423 Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
424 225 230 235 240
427 Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
428 245 250 255
431 Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
432 260 265 270
435 Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
436 275 280 285
439 Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
440 290 295 300
443 Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
444 305 310 315 320
447 Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
448 325 330 335
451 Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
452 340 345 350
455 Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
456 355 360 365
459 Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
460 370 375 380
463 <210> SEQ ID NO: 5

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VERIFICATION SUMMARY

DATE: 02/24/2006

PATENT APPLICATION: US/10/538,231

TIME: 12:54:08

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